

12-03-01

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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b>	Attorney Docket No. <b>S-94,765</b> First Inventor or Application Identifier <b>Yixiang Duan</b> Title <b>PULSED, ATMOSPHERIC PRESSURE PLASMA SOURCE FOR EMISSION SPECTROMETRY</b> Express Mail Label No. <b>EJ425551671US</b>
APPLICATION ELEMENTS	ADDRESS TO: U.S. Patent and Trademark Office P.O. Box 2327 Arlington, VA 22202
1. <input checked="" type="checkbox"/> * Fee Transmittal Form (e.g. PTO SB.17) <small>Submit an original and a duplicate for fee processing.</small> 2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. 3. <input checked="" type="checkbox"/> Specification [Total Pages: 24] <input checked="" type="checkbox"/> Descriptive title of the Invention <input checked="" type="checkbox"/> Cross References to Related Applications <input checked="" type="checkbox"/> Statement Regarding Fed sponsored R&D <input type="checkbox"/> Reference to sequence listing, a table or a computer program listing appendix <input checked="" type="checkbox"/> Background of the Invention <input checked="" type="checkbox"/> Brief Description of the Drawings (if filed) <input checked="" type="checkbox"/> Detailed Description <input checked="" type="checkbox"/> Claim(s) <input checked="" type="checkbox"/> Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawings(s) 35 U.S.C. 113 [Total Sheets: 7] <input checked="" type="checkbox"/> Formal <input type="checkbox"/> Informal 5. <input checked="" type="checkbox"/> Declaration & Power of Attorney [Total Pages: 2] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 63(d) <small>(for continuation divisional with Box 16 completed)</small> c. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33 (b).	6. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Copy b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statement verifying identity of above copies <b>ACCOMPANYING APPLICATION PARTS</b> 8. <input type="checkbox"/> Assignment Papers (cover sheet & documentation) 9. <input type="checkbox"/> 37 C.F.R. § 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney 10. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 11. <input type="checkbox"/> Preliminary Amendment 12. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (should be specifically itemized) 13. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 14. <input checked="" type="checkbox"/> Request and Certification Under 35 U.S.C. 122(b)(2)(b)(i) 15. <input type="checkbox"/> Other:
16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment. <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application S.N. ____/_____ Prior application information: Examiner _____ Group/Art Unit: _____ <small>For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.</small>	
16. CORRESPONDENCE ADDRESS	
Name: <b>Samuel M. Freund</b> Address: <b>Los Alamos National Laboratory</b> <b>LC/IP, MS A187</b> City: <b>Los Alamos</b> State: <b>New Mexico</b> Zip Code: <b>87545</b> Country: <b>United States</b> Telephone: <b>(505) 66</b> Fax: <b>(505) 665-4424</b>	
Name (Print Type): <b>Samuel M. Freund</b> Registration No. (Attorney Agent): <b>30,459</b> Signature: _____ Date: <b>November 30, 2001</b>	

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 09/998273

# FEE TRANSMITTAL

## For FY 2002

Patent fees are subject to annual revision.

**Complete if Known**  
 Application Number: S-94,765  
 Filing Date: November 30, 2001  
 First Named Inventor: Yixiang Duan  
 Examiner Name: \_\_\_\_\_  
 Group/Art Unit: \_\_\_\_\_  
 Attorney Docket No.: S-94,765

### METHOD OF PAYMENT

1. ☒ The commissioner is hereby authorized to charge indicated fees and credit any over payments to:  
 Deposit Account Number: **12-2150**  
 Deposit Account Name: **Los Alamos National Laboratory**  
☒ Charge Any Additional Fee Required Under 37 C.F.R. 1.16 and 1.17  
☒ Applicant claims small entity status. See 37 CFR 1.27

### FEE CALCULATION

#### 1. BASIC FILING FEE

Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid
\$740	\$370	Utility filing fee	370
\$740	\$370	Reissue filing fee	
\$160	\$80	Provisional filing fee	

**SUBTOTAL (1) \$370**

**SMALL ENTITY DATE: November 30, 2000**

#### 2. EXTRA CLAIM FEES

	Extra Claims	Fee from Fee Paid Below
Total Claims	50	-20** = 30 X 9 = 270
Independent Claims	4	-3** = 1 X 42 = 42
Multiple Dependent		=

\*\* or number previously paid, if greater. For Reissues, see below.

Large Entity Fee	Small Entity Fee	Fee Description
\$18	\$9	Claims in excess of 20
\$84	\$42	Independent claims in excess of 3
\$280	\$140	Multiple dependent claim, if not paid.
\$84	\$42	** Reissue independent claims over original patent
\$18	\$9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2) \$312**

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid
\$130	\$65	Surcharge - late filing fee or oath	
\$50	\$25	Surcharge - late provisional filing fee or cover sheet	
\$2,520	\$2,520	For filing a request for reexamination	
\$110	\$55	Extension for reply within first month	
\$400	\$200	Extension for reply within second month	
\$920	\$460	Extension for reply within third month	
\$1,440	\$720	Extension for reply within fourth month	
\$1,960	\$980	Extension for reply within fifth month	
\$320	\$160	Notice of Appeal	
\$320	\$160	Filing a brief in support of an appeal	
\$280	\$140	Request for oral hearing	
\$110	\$55	Petition to revive - unavoidable	
\$1,280	\$640	Petition to revive - unintentional	
\$130	\$130	Petitions to the Commissioner	
\$50	\$50	Petitions related to provisional applications	
\$180	\$180	Submission of Information Disclosure Statement	
\$740	\$370	Filing a submission after final rejection (37 CFR 1.129 (a))	
\$740	\$370	For each additional invention to be examined (37 CFR 1.129(b))	
\$300	\$300	Publication fee for early, voluntary, or normal publication	

Other (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

**SUBTOTAL (3) \$0**

Reduced by Basic Filing Fee Paid

**SUBTOTAL FROM 1 \$370**

**SUBTOTAL FROM 2 \$312**

**SUBTOTAL FROM 3 \$0**

**TOTAL AMOUNT OF PAYMENT \$682**

### SUBMITTED BY

### Complete (if applicable)

Printed Name: **Samuel M. Freund**

Reg No **30,459**

Signature: \_\_\_\_\_

Date: **November 30, 2001**

Telephone **(505)667-9701**

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Yixiang Duan et al.

Docket No.

**S-94,765**

Serial No	Filing Date November 30, 2001	Examiner	Group Art Unit
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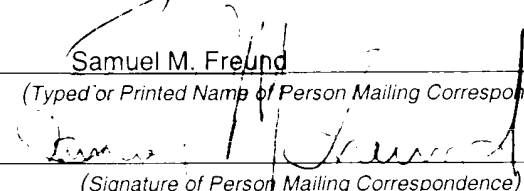
Invention:

**PULSED, ATMOSPHERIC PRESSURE PLASMA SOURCE FOR EMISSION SPECTROMETRY**

I hereby certify that this Nonprovisional Patent Application  
(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee"  
service under CFR 1.10 in an envelope addressed to: U.S. Patent and Trademark Office,  
P.O. Box 2327, Arlington, VA 22202, on November 30, 2001.

Samuel M. Freund  
(Typed or Printed Name of Person Mailing Correspondence)

  
(Signature of Person Mailing Correspondence)

EJ425551671US  
(Express Mail Mailing Label Number)

**Note: Each paper must have its own certificate of mailing.**

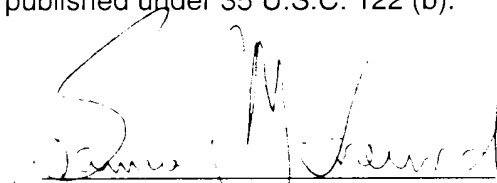
<b>REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(b)(i)</b>	First Named Inventor: Yixiang Duan
	Title: PULSED, ATMOSPHERIC PRESSURE PLASMA SOURCE FOR EMISSION SPECTROMETRY  Atty Docket Number: S-94,765

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122 (b).

November 30, 2001

Date

  
Signature

Samuel M. Freund

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**